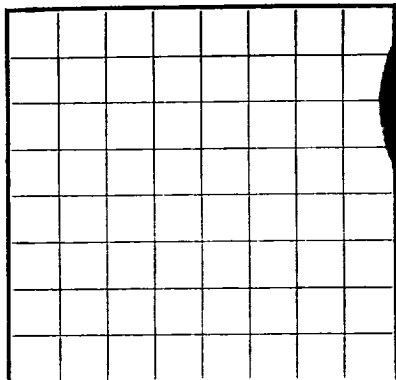
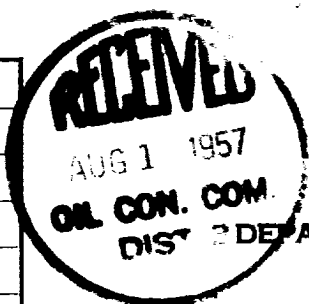


Form 9-330



LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079043
LEASE OR PERMIT TO PRODUCE
Unit Agreement No. Sec. 929
RECEIVED
AUG 31 1957
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Blackwood & Nichols Company Address P. O. Box 1237, Durango, Colorado
~~Lessee~~ Tract 10 Field Blanco Mesaverte State New Mexico
Well No. 46-33 Sec. 33 T. 31N R. 7W Meridian NMPN County San Juan
Location 1285 ft. ^[N.] of 8 Line and 1360 ft. ^[E.] of 4 Line of Section 33 Elevation 6342
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.
Original Signed by Delasse Loos
Signed _____, Delasse Loos

Date July 29, 1957 Title Field Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling May 10, 1957 Finished drilling July 16, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2980' to 3215' (S) No. 4, from 5180' to 5484' (S)
No. 2, from 3215' to 3450' (S) No. 5, from 5484' to 5636' (S)
No. 3, from 5134' to 5180' (S) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10-3/4</u>	<u>32.75</u>	<u>8rd</u>	<u>CP&I</u>	<u>154'</u>	<u>Box Pat</u>	<u>0'</u>	<u>0'</u>	<u>0'</u>	<u>Surface</u>
<u>7-5/8</u>	<u>26.48</u>	<u>6rd</u>	<u>CP&I</u>	<u>600'</u>	<u>Box Pat</u>	<u>154'</u>	<u>154'</u>	<u>154'</u>	<u>Intermediate</u>
<u>5-1/2</u>	<u>15.90</u>	<u>5rd</u>	<u>CP&I</u>	<u>5668'</u>	<u>Box Pat</u>	<u>600'</u>	<u>600'</u>	<u>600'</u>	<u>Production</u>
<u>2-3/8</u>	<u>4.7</u>	<u>5rd</u>	<u>CP&I</u>	<u>3333'</u>	<u>Box Pat</u>	<u>5668'</u>	<u>5668'</u>	<u>5668'</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>160'</u>	<u>200</u>	<u>Pump & Plug</u>	<u>Water</u>	<u>Cement circulated</u>
<u>7-5/8</u>	<u>3499'</u>	<u>225</u>	<u>"</u>	<u>"</u>	<u>"</u>
<u>5-1/2</u>	<u>5668'</u>	<u>150</u>	<u>"</u>	<u>"</u>	<u>Top cement at 3400'</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Sand-water fraced the Mesaverte Group thru casing perforations.</u>						

TOOLS USED

Rotary tools were used from 0' feet to 5668' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing Not connected, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 9,183 MCF (AGF) Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____ Rate of flow thru 3/4" choke after 3 hours: 4,198 MCFPD

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

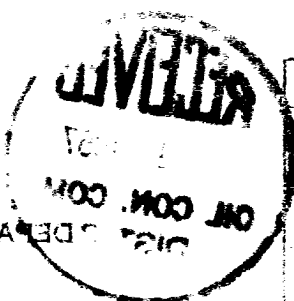
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>1060'</u>	<u>1060</u>	<u>San Jose</u>
<u>1060'</u>	<u>2110'</u>	<u>1050</u>	<u>Anima</u>
<u>2110'</u>	<u>2330'</u>	<u>220</u>	<u>Ojo Alamo SS</u>
<u>2330'</u>	<u>2980'</u>	<u>650</u>	<u>Kirtland</u>
<u>2980'</u>	<u>3215'</u>	<u>235</u>	<u>Fruitland SS</u>
<u>3215'</u>	<u>3450'</u>	<u>235</u>	<u>Pictured Cliffs SS</u>
<u>3450'</u>	<u>5134'</u>	<u>1684</u>	<u>Lewis Shale</u>
<u>5134'</u>	<u>5180'</u>	<u>46</u>	<u>Massive Cliffhouse SS</u>
<u>5180'</u>	<u>5484'</u>	<u>304</u>	<u>Mancos Shale</u>
<u>5484'</u>	<u>5636'</u>	<u>152</u>	<u>Point Lookout SS</u>
<u>5636'</u>	<u>-</u>		<u>Mancos Shale</u>

FROM— TO— TOTAL FEET (OVER) FORMATION

FORMATION RECORD—Continued

U.S. LAND OFFICE
GENERAL INVESTIGATION
PLEASE OR PERMIT TO PROCEED
RECEIVED
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C.



LOG OF OIL OR GAS WELL.

4.75 0.300 1.00 37420

[illegible]

OIL OR GAS SANDS OR ZONES

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No. 1 from _____ to _____
 No. 2 from _____ to _____
 No. 3 from _____ to _____
 No. 4 from _____ to _____
 No. 5 from _____ to _____
 No. 6 from _____ to _____

IMPORTANT WATER SANDS

..... 91	 8. 6%	 91	 8. 6%
..... 61	 8. 6%	 91	 8. 6%

CASTING RECORD

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was sidetracked, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD—Continued